

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Eastman Chemical Company

AUTHORIZING THE OPERATION OF

U3 - HCC-3 Olefin
Industrial Organic Chemicals

LOCATED AT

Harrison County, Texas

Latitude 32° 26' 15" Longitude 94° 41' 37"

Regulated Entity Number: RN100219815

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1979 Issuance Date: December 01, 2014

For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subparts A, DDDDD and YY as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.100, 113.1130 and § 113.560 respectively which incorporates the 40 CFR Part 63 Subparts by reference.
 - F. The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD as identified in the attached Applicable Requirements Summary by January 31, 2016.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)

- J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
 - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
 - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months,

observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is

performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- C. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)

- C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
6. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
 - B. Title 40 CFR § 61.342(e)(1) (relating to Standards: General)
 - C. Title 40 CFR § 61.342(e)(2)(i) - (ii) (relating to Standards: General)

- D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)
 - E. Title 40 CFR § 61.342(g) (relating to Standards: General)
 - F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
 - G. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)
 - H. Title 40 CFR § 61.355(k)(1) - (6), and (7)(i) - (iv) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
 - I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
 - J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
 - K. Title 40 CFR § 61.356(b)(4) (relating to Recordkeeping Requirements)
 - L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
 - M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)
 - N. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
 - O. Title 40 CFR § 61.357(d)(5) (relating to Reporting Requirements)
 - P. Waste generated by remediation activities at these facilities are subject to the requirements identified under 40 CFR § 61.342 for treatment and management of waste
7. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
 - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
 - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
 - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

9. For transfer of waste from ethylene production facilities subject to 40 CFR Part 63, Subpart YY the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.560 incorporated by reference):
 - A. Title 40 CFR § 63.1096(a) - (d) (Title 30 TAC Chapter 113, Subchapter C, § 113.550 incorporated by reference)
 - B. Title 40 CFR § 63.1109(a) and (c)
10. For benzene laden waste streams from ethylene process facilities subject to 40 CFR Part 63, Subpart YY with total annual benzene quantity from the facility of 10 megagrams per year or more the permit holder shall comply with the following requirements as specified in 40 CFR § 63.1095(b)(2) (Title 30 TAC Chapter 113, Subchapter C, § 113.560 incorporated by reference):
 - A. For facilities with waste managed in containers the permit holder shall comply with the following requirements:
 - (i) Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
 - (ii) Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
 - (iii) Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
11. For site remediation projects subject to 40 CFR Part 63, Subpart GGGGG that are completed within 30 consecutive calendar days the permit holder shall comply with 40 CFR § 63.7884(b), (b)(1) - (3) (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference).
12. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

13. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs,

and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

14. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
15. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
16. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit’s compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

17. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
 - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
 - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

Compliance Requirements

18. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
19. Use of Discrete Emission Credits to comply with the applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

Risk Management Plan

- 20. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

- 21. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.
 - A. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Permit Location

- 22. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

- 23. A permit shield is granted for the emission units, groups, or processes specified in the attached “Permit Shield.” Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment “Permit Shield.” Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|--|-------------------------|
| OL007FG1 | FUGITIVE EMISSION UNITS | N/A | 63YY-0002 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OL007H5 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0003 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL007H5 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0003 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OL032B5A | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0002 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL032B5A | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0001 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OL032B5B | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0002 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL032B5B | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0001 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OL032DCA | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|--|-------------------------|
| OLo32DCB | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo32FG1 | FUGITIVE EMISSION UNITS | N/A | 63YY-0002 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo32H4 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0003 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo32H4 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0002 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OLo32OW | TREATMENT PROCESS | N/A | 63YY-0005 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo32RXSYS | REACTOR | N/A | 60RRR-0001(1) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo32RXSYS | REACTOR | N/A | 60RRR-0001(2) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo32RXSYS | REACTOR | N/A | 60RRR-0001(3) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo32WW1 | TREATMENT PROCESS | N/A | 63YY-0004 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo33B5A | EMISSION POINTS/STATIONARY VENTS/PROCESS | N/A | R1111-0002 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|--|-------------------------|
| | VENTS | | | | |
| OL033B5A | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0001 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OL033B5B | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0002 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL033B5B | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0001 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OL033DCA | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL033DCB | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL033DCF | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL033FG1 | FUGITIVE EMISSION UNITS | N/A | 63YY-0002 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OL033H1F | EMISSION POINTS/STATIONARY | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|--|-------------------------|
| | VENTS/PROCESS VENTS | | | | |
| OLo33H4 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0003 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo33H4 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0002 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OLo33OW | TREATMENT PROCESS | N/A | 63YY-0005 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo33RXSYS | REACTOR | N/A | 60RRR-0002(1) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo33RXSYS | REACTOR | N/A | 60RRR-0002(2) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo33RXSYS | REACTOR | N/A | 60RRR-0002(3) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo33WW1 | TREATMENT PROCESS | N/A | 63YY-0004 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo41D550 | TREATMENT PROCESS | N/A | 61FF-0002 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| OLo41D550 | TREATMENT PROCESS | N/A | 63YY-0006 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo41FG2 | FUGITIVE EMISSION UNITS | N/A | 63YY-0002 | 40 CFR Part 63, Subpart YY | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|--|-------------------------|
| OLo41FL1 | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo41FL1 | FLARES | N/A | 60A-0001 | 40 CFR Part 60, Subpart A | No changing attributes. |
| OLo41FL1 | FLARES | N/A | 63A-0001 | 40 CFR Part 63, Subpart A | No changing attributes. |
| OLo41OW | TREATMENT PROCESS | N/A | 63YY-0005 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo41T545 | STORAGE TANKS/VESSELS | N/A | 61FF-0001 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| OLo41T545 | STORAGE TANKS/VESSELS | N/A | 63YY-0003 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo41WW1 | TREATMENT PROCESS | N/A | 63YY-0004 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo42FL1 | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo42FL1 | FLARES | N/A | 60A-0002 | 40 CFR Part 60, Subpart A | No changing attributes. |
| OLo42FL1 | FLARES | N/A | 63A-0002 | 40 CFR Part 63, Subpart A | No changing attributes. |
| OLo42FL2 | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo42FL2 | FLARES | N/A | 60A-0002 | 40 CFR Part 60, Subpart A | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|--|-------------------------|
| OLo42FL2 | FLARES | N/A | 63A-0002 | 40 CFR Part 63, Subpart A | No changing attributes. |
| OLo43FG1 | FUGITIVE EMISSION UNITS | N/A | 63YY-0002 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo43OW | TREATMENT PROCESS | N/A | 63YY-0005 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo43WW1 | TREATMENT PROCESS | N/A | 63YY-0004 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo44B5A | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0002 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo44B5A | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0001 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OLo44B5B | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0002 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo44B5B | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0001 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OLo44DCA | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|--|-------------------------|
| OLo44DCB | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo44H4 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-0004 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OLo44H4 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-0002 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| OLo44RXSYS | REACTOR | N/A | 60RRR-0003(1) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo44RXSYS | REACTOR | N/A | 60RRR-0003(2) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo44RXSYS | REACTOR | N/A | 60RRR-0003(3) | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OLo51T189 | STORAGE TANKS/VESSELS | N/A | 63YY-0004 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OLo51T191 | STORAGE TANKS/VESSELS | N/A | 63YY-0004 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| OL116FL1H | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL116FL1H | FLARES | N/A | 60A-0003 | 40 CFR Part 60, Subpart A | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|-----------|--------------------------|---------------|---------------------------------------|-------------------------|
| OL116FL1H | FLARES | N/A | 63A-0003 | 40 CFR Part 63, Subpart A | No changing attributes. |
| OL116FL2H | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL116FL2H | FLARES | N/A | 60A-0003 | 40 CFR Part 60, Subpart A | No changing attributes. |
| OL116FL2H | FLARES | N/A | 63A-0003 | 40 CFR Part 63, Subpart A | No changing attributes. |
| OL170FL1 | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL170FL1 | FLARES | N/A | 60A-0002 | 40 CFR Part 60, Subpart A | No changing attributes. |
| OL170FL1 | FLARES | N/A | 63A-0002 | 40 CFR Part 63, Subpart A | No changing attributes. |
| OL170FL2 | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL170FL2 | FLARES | N/A | 60A-0002 | 40 CFR Part 60, Subpart A | No changing attributes. |
| OL170FL2 | FLARES | N/A | 63A-0002 | 40 CFR Part 63, Subpart A | No changing attributes. |
| OL233FL1 | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL233FL1 | FLARES | N/A | 60A-0002 | 40 CFR Part 60, Subpart A | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------------------|--------------------------|---------------|---------------------------------------|-------------------------|
| OL233FL1 | FLARES | N/A | 63A-0002 | 40 CFR Part 63, Subpart A | No changing attributes. |
| OL233FL2 | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OL233FL2 | FLARES | N/A | 60A-0002 | 40 CFR Part 60, Subpart A | No changing attributes. |
| OL233FL2 | FLARES | N/A | 63A-0002 | 40 CFR Part 63, Subpart A | No changing attributes. |
| PROFEEDS | CHEMICAL MANUFACTURING PROCESS | N/A | 63YY-0001 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| PROHCC3 | CHEMICAL MANUFACTURING PROCESS | N/A | 63YY-0001 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| PROHCC3A | CHEMICAL MANUFACTURING PROCESS | N/A | 63YY-0001 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| PROHCC3B | CHEMICAL MANUFACTURING PROCESS | N/A | 63YY-0001 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| PROWATER | CHEMICAL MANUFACTURING PROCESS | N/A | 63YY-0001 | 40 CFR Part 63, Subpart YY | No changing attributes. |
| SD217FL1 | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|---|--|--|
| OL007FG1 | EU | 63YY-0002 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OL007H5 | EP | R1111-0003 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(A) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL007H5 | EU | 63DDDDDD-0003 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OL032B5A | EP | R1111-0002 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL032B5A | EU | 63DDDDDD-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with | The permit holder shall comply with the applicable requirements of 40 CFR | The permit holder shall comply with the applicable | The permit holder shall comply with the applicable | The permit holder shall comply with the applicable reporting |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|---|--|--|
| | | | | | the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | Part 63, Subpart DDDDD | monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | requirements of 40 CFR Part 63, Subpart DDDDD |
| OL032B5B | EP | R1111-0002 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL032B5B | EU | 63DDDDDD-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OL032DCA | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL032DCB | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|---|--|--|
| | | | | | | averaged over a six minute period for any source on which construction was begun after January 31, 1972. | Summary | | |
| OLo32FG1 | EU | 63YY-0002 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OLo32H4 | EP | R1111-0003 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(A) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OLo32H4 | EU | 63DDDDDD-0002 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OLo32OW | EU | 63YY-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|--|--|---|
| | | | | | specification requirements of 40 CFR Part 63, Subpart YY | | CFR Part 63, Subpart YY | | |
| OL032RXSYS | EP | 60RRR-0001(1) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OL032RXSYS | EP | 60RRR-0001(2) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OL032RXSYS | EP | 60RRR-0001(3) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(b) § 60.18 | For each vent stream, combust the emissions in a flare that meets the requirements of §60.18. | § 60.703(b) § 60.703(b)(1) § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d) | § 60.705(b) § 60.705(b)(3) § 60.705(d)(2) § 60.705(e) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) § 60.705(l)(3) § 60.705(l)(7) § 60.705(s) |
| OL032WW1 | EU | 63YY- | 112(B) | 40 CFR Part 63, | § 63.1103 | The permit holder shall | The permit holder | The permit holder shall | The permit holder shall |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|---|--|--|
| | | 0004 | HAPS | Subpart YY | The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | comply with the applicable requirements of 40 CFR Part 63, Subpart YY | shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OL033B5A | EP | R1111-0002 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL033B5A | EU | 63DDDDDD-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OL033B5B | EP | R1111-0002 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL033B5B | EU | 63DDDDDD | 112(B) | 40 CFR Part 63, | § 63.7505 | The permit holder shall | The permit holder | The permit holder shall | The permit holder shall |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|--|--|---|--|--|
| | | -0001 | HAPS | Subpart DDDDD | The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OL033DCA | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL033DCB | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL033DCF | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL033FG1 | EU | 63YY-0002 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with | The permit holder shall comply with the applicable requirements of 40 CFR | The permit holder shall comply with the applicable | The permit holder shall comply with the applicable | The permit holder shall comply with the applicable reporting |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|---|--|--|
| | | | | | the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | Part 63, Subpart YY | monitoring and testing requirements of 40 CFR Part 63, Subpart YY | recordkeeping requirements of 40 CFR Part 63, Subpart YY | requirements of 40 CFR Part 63, Subpart YY |
| OLo33H1F | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OLo33H4 | EP | R1111-0003 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(A) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OLo33H4 | EU | 63DDDDDD-0002 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OLo33OW | EU | 63YY-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|--|--|---|
| | | | | | specification requirements of 40 CFR Part 63, Subpart YY | | CFR Part 63, Subpart YY | | |
| OL033RXSY S | EP | 60RRR-0002(1) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OL033RXSY S | EP | 60RRR-0002(2) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OL033RXSY S | EP | 60RRR-0002(3) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(b) § 60.18 | For each vent stream, combust the emissions in a flare that meets the requirements of §60.18. | § 60.703(b) § 60.703(b)(1) § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d) | § 60.705(b) § 60.705(b)(3) § 60.705(d)(2) § 60.705(e) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) § 60.705(l)(3) § 60.705(l)(7) § 60.705(s) |
| OL033WW1 | EU | 63YY- | 112(B) | 40 CFR Part 63, | § 63.1103 | The permit holder shall | The permit holder | The permit holder shall | The permit holder shall |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|--|---|--|---|
| | | 0004 | HAPS | Subpart YY | The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | comply with the applicable requirements of 40 CFR Part 63, Subpart YY | shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OLo41D550 | PRO | 61FF-0002 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.348(a)(1) § 60.18 § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) | The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified. | § 60.18(f)(2) § 61.348(e)(1) § 61.348(f) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(a)(1) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) § 61.355(d) [G]§ 61.355(h) | § 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.355(d) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7) | § 61.357(d)(7) § 61.357(d)(7)(i) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F) |
| OLo41D550 | EU | 63YY-0006 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|--|--|---|---|
| | | | | | CFR Part 63, Subpart YY | | | | |
| OLo41FG2 | EU | 63YY-0002 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OLo41FL1 | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OLo41FL1 | CD | 60A-0001 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) | None | None |
| OLo41FL1 | CD | 63A-0001 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used. | § 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|--|---|---|
| OLo41OW | EU | 63YY-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OLo41T545 | EU | 61FF-0001 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.343(b)(2) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(b)(3) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(c) § 61.349(f) § 61.349(g) | The owner/operator shall install, operate, and maintain a fixed roof as specified in §61.343(a)(1)(i). | § 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h) | § 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F) |
| OLo41T545 | EU | 63YY-0003 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|--|--|---|---|
| OLo41WW1 | EU | 63YY-0004 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OLo42FL1 | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OLo42FL1 | CD | 60A-0002 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) | None | None |
| OLo42FL1 | CD | 63A-0002 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used. | § 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i) | None | None |
| OLo42FL2 | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|--|--|---|---|
| | | | | | | five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | | | |
| OLo42FL2 | CD | 60A-0002 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) | None | None |
| OLo42FL2 | CD | 63A-0002 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used. | § 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i) | None | None |
| OLo43FG1 | EU | 63YY-0002 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OLo43OW | EU | 63YY-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|---|--|--|
| | | | | | specification requirements of 40 CFR Part 63, Subpart YY | | CFR Part 63, Subpart YY | | |
| OL043WW1 | EU | 63YY-0004 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OL044B5A | EP | R1111-0002 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OL044B5A | EU | 63DDDDDD-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OL044B5B | EP | R1111-0002 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|---|--|--|
| | | | | | | period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | | | |
| OLo44B5B | EU | 63DDDDD-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OLo44DCA | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OLo44DCB | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| OLo44H4 | EP | R1111-0004 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|--|--|---|
| | | | | | | begun after January 31, 1972. | | | |
| OLo44H4 | EU | 63DDDDD-0002 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD |
| OLo44RXY S | EP | 60RRR-0003(1) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OLo44RXY S | EP | 60RRR-0003(2) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OLo44RXY S | EP | 60RRR-0003(3) | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(b) § 60.18 | For each vent stream, combust the emissions in a | § 60.703(b) § 60.703(b)(1) | § 60.705(b) § 60.705(b)(3) | § 60.705(a) § 60.705(b) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|--|--|---|---|
| | | | | | | flare that meets the requirements of §60.18. | § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d) | § 60.705(d)(2) § 60.705(e) § 60.705(s) | § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) § 60.705(l)(3) § 60.705(l)(7) § 60.705(s) |
| OL051T189 | EU | 63YY-0004 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OL051T191 | EU | 63YY-0004 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| OL116FL1H | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OL116FL1H | CD | 60A-0003 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) | Flares shall comply with paragraphs (c)-(f) of § | § 60.18(d) § 60.18(f)(1) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|--|---|---|
| | | | | | § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 60.18(c)(6) § 60.18(e) | 60.18. | § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6) | | |
| OL116FL1H | CD | 63A-0003 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used. | § 63.11(b)(4) § 63.11(b)(5) | None | None |
| OL116FL2H | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OL116FL2H | CD | 60A-0003 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6) | None | None |
| OL116FL2H | CD | 63A-0003 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be | § 63.11(b)(4) § 63.11(b)(5) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--|--|--|---|---|
| | | | | | | used. | | | |
| OL170FL1 | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OL170FL1 | CD | 60A-0002 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) | None | None |
| OL170FL1 | CD | 63A-0002 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used. | § 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i) | None | None |
| OL170FL2 | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OL170FL2 | CD | 60A-0002 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--|--|--|---|---|
| | | | | | § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | | § 60.18(f)(4) | | |
| OL170FL2 | CD | 63A-0002 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used. | § 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i) | None | None |
| OL233FL1 | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OL233FL1 | CD | 60A-0002 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) | None | None |
| OL233FL1 | CD | 63A-0002 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used. | § 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|--|--|---|---|
| OL233FL2 | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OL233FL2 | CD | 60A-0002 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) | None | None |
| OL233FL2 | CD | 63A-0002 | OPACITY | 40 CFR Part 63, Subpart A | § 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i) | Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used. | § 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i) | None | None |
| PROFEEDS | EU | 63YY-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1100 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| PROHCC3 | EU | 63YY-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1100 The permit holder shall comply with | The permit holder shall comply with the applicable requirements of 40 CFR | The permit holder shall comply with the applicable | The permit holder shall comply with the applicable | The permit holder shall comply with the applicable reporting |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|---|--|---|---|
| | | | | | the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | Part 63, Subpart YY | monitoring and testing requirements of 40 CFR Part 63, Subpart YY | recordkeeping requirements of 40 CFR Part 63, Subpart YY | requirements of 40 CFR Part 63, Subpart YY |
| PROHCC3A | EU | 63YY-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1100 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| PROHCC3B | EU | 63YY-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1100 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |
| PROWATER | EU | 63YY-0001 | 112(B) HAPS | 40 CFR Part 63, Subpart YY | § 63.1100 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|---|--|--|
| SD217FL1 | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |

Additional Monitoring Requirements

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Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLOO7H5 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0003 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: 1. Failure to perform quarterly visible emissions observations (unless unit not in operation)2. Visible emissions present during quarterly observation, but no Method 9 Test performed within 24 hours3. Method 9 Test performed and opacity > 30%</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: OLO32B5A | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0002 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| <p>Deviation Limit: The presence of visible emissions unless a Method 9 opacity test is performed within 24 hours of observing visible emissions and the source is determined to be in compliance with the 15% opacity standard.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: OLO32B5B | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0002 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| <p>Deviation Limit: The presence of visible emissions unless a Method 9 opacity test is performed within 24 hours of observing visible emissions and the source is determined to be in compliance with the 15% opacity standard.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo32DCA | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo32DCB | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo32H4 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0003 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: 1. Failure to perform quarterly visible emissions observations (unless unit not in operation)2. Visible emissions present during quarterly observation, but no Method 9 Test performed within 24 hours3. Method 9 Test performed and opacity > 30%</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: OLO33B5A | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0002 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| <p>Deviation Limit: The presence of visible emissions unless a Method 9 opacity test is performed within 24 hours of observing visible emissions and the source is determined to be in compliance with the 15% opacity standard.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: OLO33B5B | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0002 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| <p>Deviation Limit: The presence of visible emissions unless a Method 9 opacity test is performed within 24 hours of observing visible emissions and the source is determined to be in compliance with the 15% opacity standard.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo33DCA | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo33DCB | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo33DCF | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLO33H1F | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo33H4 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0003 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: 1. Failure to perform quarterly visible emissions observations (unless unit not in operation)2. Visible emissions present during quarterly observation, but no Method 9 Test performed within 24 hours3. Method 9 Test performed and opacity > 30%</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: OLo44B5A | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0002 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| <p>Deviation Limit: The presence of visible emissions unless a Method 9 opacity test is performed within 24 hours of observing visible emissions and the source is determined to be in compliance with the 15% opacity standard.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: OLo44B5B | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0002 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| <p>Deviation Limit: The presence of visible emissions unless a Method 9 opacity test is performed within 24 hours of observing visible emissions and the source is determined to be in compliance with the 15% opacity standard.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo44DCA | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo44DCB | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|-----------------------------------|
| ID No.: OLo44H4 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-0004 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: Failure to perform quarterly visible emission (VE) observations when unit is operating or VE are present during quarterly observations but no TM 9 is performed within 24 hrs or TM 9 is performed and opacity is greater than 20%.</p> <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Permit Shield

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Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OL006D6B | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL006D6B | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL006D6B | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL006D6B | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL007D5B | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL007D5B | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL007D5B | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL007D5B | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL007FG1 | N/A | 40 CFR Part 60, Subpart VV | Process unit does not produce a chemical listed on 60.489. |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OL007FG1 | N/A | 40 CFR Part 61, Subpart J | If complying with Part 63, Subpart YY, compliance with Part 61, Subpart J is not required. |
| OL007FG1 | N/A | 40 CFR Part 61, Subpart V | If complying with Part 63, Subpart YY, compliance with Part 61, Subpart V is not required. |
| OL007FG1 | N/A | 40 CFR Part 63, Subpart H | Not part of a HON CMPU. |
| OL007TAPI | N/A | 40 CFR Part 60, Subpart QQQ | Unit is not located in a petroleum refinery. |
| OL031TAPI | N/A | 40 CFR Part 60, Subpart QQQ | Unit is not located in a petroleum refinery. |
| OL032B5A | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL032B5A | N/A | 40 CFR Part 60, Subpart D | Unit is not constructed, modified, or reconstructed after 08/17/1971. |
| OL032B5B | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL032B5B | N/A | 40 CFR Part 60, Subpart D | Unit is not constructed, modified, or reconstructed after 08/17/1971. |
| OL032D3 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D3 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OL032D3 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL032D3 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL032D4 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D4 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032D4 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL032D4 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL032D401 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D401 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032D401 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OL032D401 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL032D5 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D5 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032D5 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL032D5 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL032D5A | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D5A | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032D5A | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL032D5A | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| | | | process vent as defined in 63.1103(e)(2). |
| OL032D6 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D6 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032D6 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL032D6 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL032D6A | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D6A | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032D6A | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL032D6A | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OL032D7 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D7 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032D7 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL032D7 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL032D9 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL032D9 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032D9 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL032D9 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL032FG1 | N/A | 40 CFR Part 60, Subpart VV | Unit is not constructed, modified, or reconstructed after 01/05/1981. |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| OL032FG1 | N/A | 40 CFR Part 61, Subpart J | If unit is complying with Part 63, Subpart YY, then compliance with Part 61, Subpart V is not required. |
| OL032FG1 | N/A | 40 CFR Part 61, Subpart V | If unit is complying with Part 63, Subpart YY, then compliance with Part 61, Subpart V is not required. |
| OL032FG1 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL032FG1 | N/A | 40 CFR Part 63, Subpart H | Unit is not part of a Hazardous Organic NESHAP (HON) regulated chemical manufacturing process unit (CMPU). |
| OL032FRXS | N/A | 40 CFR Part 60, Subpart III | Unit does not use an air oxidation process and is not an affected facility. |
| OL032FRXS | N/A | 40 CFR Part 60, Subpart RRR | Unit is not constructed, modified, or reconstructed after 6/29/90. |
| OL032H1A | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL032H1A | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL032H1B | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| OL032H1B | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL032H1C | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL032H1C | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL032H1D | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL032H1D | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL032H1E | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL032H1E | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL032H2 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL032H2 | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL032RXSYS | N/A | 40 CFR Part 60, Subpart III | Unit does not use an air oxidation process and is not an affected facility. |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OL033B5A | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL033B5A | N/A | 40 CFR Part 60, Subpart D | Unit is not constructed, modified, or reconstructed after 08/17/1971. |
| OL033B5B | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL033B5B | N/A | 40 CFR Part 60, Subpart D | Unit is not constructed, modified, or reconstructed after 08/17/1971. |
| OL033D3 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL033D3 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL033D3 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL033D3 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL033D4 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL033D4 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OL033D4 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL033D4 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL033D5 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL033D5 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL033D5 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL033D5 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL033D6 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL033D6 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL033D6 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OL033D6 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL033D6A | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL033D6A | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL033D6A | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL033D6A | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OL033D7 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OL033D7 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL033D7 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected chemical manufacturing process unit (CMPU). |
| OL033D7 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| | | | process vent as defined in 63.1103(e)(2). |
| OL033FG1 | N/A | 40 CFR Part 60, Subpart VV | Unit is not constructed, modified, or reconstructed after 01/05/1981. |
| OL033FG1 | N/A | 40 CFR Part 61, Subpart J | If unit is complying with Part 63, Subpart YY, then compliance with Part 61, Subpart V is not required. |
| OL033FG1 | N/A | 40 CFR Part 61, Subpart V | If unit is complying with Part 63, Subpart YY, then compliance with Part 61, Subpart V is not required. |
| OL033FG1 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL033FG1 | N/A | 40 CFR Part 63, Subpart H | Unit is not part of a Hazardous Organic NESHAP (HON) regulated chemical manufacturing process unit (CMPU). |
| OL033FRXS | N/A | 40 CFR Part 60, Subpart III | Unit does not use an air oxidation process and is not an affected facility. |
| OL033FRXS | N/A | 40 CFR Part 60, Subpart RRR | Unit is not constructed, modified, or reconstructed after 6/29/90. |
| OL033H1A | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL033H1A | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| | | | by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL033H1B | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL033H1B | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL033H1C | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL033H1C | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL033H1D | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL033H1D | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL033H1E | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL033H1E | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL033H1F | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL033H1F | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| | | | 40 CFR 63, Subpart DDDDD. |
| OLo33H2 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OLo33H2 | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OLo33RXSYS | N/A | 40 CFR Part 60, Subpart III | Unit does not use an air oxidation process and is not an affected facility. |
| OLo41D550 | N/A | 40 CFR Part 60, Subpart NNN | Process does not produce any chemicals listed in §60.667. |
| OLo41FG2 | N/A | 40 CFR Part 60, Subpart VV | Process unit does not produce a final product or intermediate chemical listed in 40 CFR 60.489. |
| OLo41FG2 | N/A | 40 CFR Part 61, Subpart J | If unit is complying with Part 63, Subpart YY, then compliance with Part 61, Subpart V is not required. |
| OLo41FG2 | N/A | 40 CFR Part 61, Subpart V | If unit is complying with Part 63, Subpart YY, then compliance with Part 61, Subpart V is not required. |
| OLo41FG2 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| OLo41FG2 | N/A | 40 CFR Part 63, Subpart H | Unit is not part of a Hazardous Organic NESHAP (HON) regulated chemical manufacturing process unit (CMPU). |
| OLo41FG4 | N/A | 40 CFR Part 60, Subpart VV | Process unit does not produce a final product or intermediate chemical listed in 40 CFR 60.489. |
| OLo41FG4 | N/A | 40 CFR Part 61, Subpart J | Unit does not include any equipment that operates in benzene service. |
| OLo41FG4 | N/A | 40 CFR Part 61, Subpart V | Unit does not include any equipment that operates in volatile hazardous air pollutant (VHAP) service. |
| OLo41FG4 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OLo41FG4 | N/A | 40 CFR Part 63, Subpart H | Unit is not part of a Hazardous Organic NESHAP (HON) regulated chemical manufacturing process unit (CMPU). |
| OLo41T545 | N/A | 40 CFR Part 60, Subpart Kb | Unit's storage capacity is at least 75 m3 storing a liquid with a maximum TVP less than 3.5 kPa. |
| OLo41T545 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OLo41T545 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OLo41T545 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OLo43D4 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OLo43D4 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OLo43D4 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OLo43D4 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OLo43D5 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OLo43D5 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OLo43D5 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OLo43D5 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OLo43D6 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OLo43D6 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OLo43D6 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OLo43D6 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OLo43D6A | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OLo43D6A | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OLo43D6A | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OLo43D6A | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OLo43D7 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OLo43D7 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OLo43D7 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OLo43D7 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OLo43FG1 | N/A | 40 CFR Part 60, Subpart VV | Unit is not constructed, modified, or reconstructed after 01/05/1981. |
| OLo43FG1 | N/A | 40 CFR Part 61, Subpart J | If unit is complying with Part 63, Subpart YY, then compliance with Part 61, Subpart V is not required. |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| OLo43FG1 | N/A | 40 CFR Part 61, Subpart V | If unit is complying with Part 63, Subpart YY, then compliance with Part 61, Subpart V is not required. |
| OLo43FG1 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OLo43FG1 | N/A | 40 CFR Part 63, Subpart H | Unit is not part of a Hazardous Organic NESHAP (HON) regulated chemical manufacturing process unit (CMPU). |
| OLo44B5A | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OLo44B5A | N/A | 40 CFR Part 60, Subpart D | Unit is not an affected facility since heat input rate of unit is less than 250 million British thermal units per hour (MMBtu/hr). |
| OLo44B5A | N/A | 40 CFR Part 60, Subpart Db | Unit is not constructed, modified, or reconstructed after 06/19/1984. |
| OLo44B5B | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OLo44B5B | N/A | 40 CFR Part 60, Subpart D | Unit is not an affected facility since heat input rate of unit is less than 250 million British thermal units per hour (MMBtu/hr). |
| OLo44B5B | N/A | 40 CFR Part 60, Subpart Db | Unit is not constructed, modified, or |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| | | | reconstructed after 06/19/1984. |
| OLo44D3 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OLo44D3 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OLo44D3 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OLo44D3 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene process vent as defined in 63.1103(e)(2). |
| OLo44D401 | N/A | 40 CFR Part 60, Subpart NNN | Unit is not constructed, modified, or reconstructed after 12/30/1983. |
| OLo44D401 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OLo44D401 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OLo44D401 | N/A | 40 CFR Part 63, Subpart YY | Unit is not an affected unit since it does not meet the definition of an ethylene |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| | | | process vent as defined in 63.1103(e)(2). |
| OLo44FRXS | N/A | 40 CFR Part 60, Subpart III | Unit does not use an air oxidation process and is not an affected facility. |
| OLo44FRXS | N/A | 40 CFR Part 60, Subpart RRR | Unit is not constructed, modified, or reconstructed after 06/29/1990. |
| OLo44H1A | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OLo44H1A | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OLo44H1B | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OLo44H1B | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OLo44H1C | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OLo44H1C | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OLo44H1D | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OLo44H1D | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--------------------------------------|--|
| ID No. | Group/Inclusive Units | | |
| OL044H1E | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL044H1E | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL044H2 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| OL044H2 | N/A | 40 CFR Part 63, Subpart DDDDD | An ethylene cracking furnace unit covered by 40 CFR 63, Subpart YY is not subject to 40 CFR 63, Subpart DDDDD. |
| OL044RXSYS | N/A | 40 CFR Part 60, Subpart III | Unit does not use an air oxidation process and is not an affected facility. |
| OL051T189 | N/A | 40 CFR Part 60, Subpart Kb | Unit is not constructed, modified, or reconstructed after 07/23/1984. |
| OL051T189 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OL051T189 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OL051T189 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL051T189 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| | | | (CMPU). |
| OL051T191 | N/A | 40 CFR Part 60, Subpart Kb | Unit is not constructed, modified, or reconstructed after 07/23/1984. |
| OL051T191 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OL051T191 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OL051T191 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| OL051T191 | N/A | 40 CFR Part 63, Subpart G | Unit is not part of a HON regulated chemical manufacturing process unit (CMPU). |
| OL108TAPI | N/A | 40 CFR Part 60, Subpart QQQ | Unit is not located in a petroleum refinery. |
| PROFEEDS | N/A | 40 CFR Part 63, Subpart F | CMPU does not meet all the criteria specified in paragraphs (b)(1), (b)(2), and (b)(3) of section 63.100. |
| PROFEEDS | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| PROHCC3 | N/A | 40 CFR Part 63, Subpart F | CMPU does not meet all the criteria |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| | | | specified in paragraphs (b)(1), (b)(2), and (b)(3) of section 63.100. |
| PROHCC3 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| PROHCC3A | N/A | 40 CFR Part 63, Subpart F | CMPU does not meet all the criteria specified in paragraphs (b)(1), (b)(2), and (b)(3) of section 63.100. |
| PROHCC3A | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| PROHCC3B | N/A | 40 CFR Part 63, Subpart F | CMPU does not meet all the criteria specified in paragraphs (b)(1), (b)(2), and (b)(3) of section 63.100. |
| PROHCC3B | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |
| PROPSA | N/A | 40 CFR Part 63, Subpart F | CMPU does not meet all the criteria specified in paragraphs (b)(1), (b)(2), and (b)(3) of section 63.100. |
| PROPSA | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU). |

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|---------------------------|---|
| ID No. | Group/Inclusive Units | | |
| PROWATER | N/A | 40 CFR Part 63, Subpart F | CMPU does not meet all the criteria specified in paragraphs (b)(1), (b)(2), and (b)(3) of section 63.100. |
| SD217FL1 | N/A | 40 CFR Part 60, Subpart A | Unit is not used to comply with applicable subparts of 40 CFR Part 60 or Part 61. |
| SD217FL1 | N/A | 40 CFR Part 63, Subpart A | Unit is not used to comply with applicable subpart(s) of 40 CFR Part 63. |

New Source Review Authorization References

New Source Review Authorization References 92

New Source Review Authorization References by Emission Unit..... 93

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area. | |
|---|------------------------------|
| Authorization No.: 124730 | Issuance Date: 12/15/2014 |
| Authorization No.: 20489 | Issuance Date: 07/21/2006 |
| Authorization No.: 48588 | Issuance Date: 04/10/2013 |
| Authorization No.: 48590 | Issuance Date: 04/10/2013 |
| Authorization No.: 48761 | Issuance Date: 03/20/2013 |
| Authorization No.: 49793 | Issuance Date: 01/04/2012 |
| Authorization No.: 7752 | Issuance Date: 09/18/1979 |
| Authorization No.: 84724 | Issuance Date: 08/19/2013 |
| Authorization No.: 908 | Issuance Date: 10/27/2008 |
| Permits By Rule (30 TAC Chapter 106) for the Application Area | |
| Number: 106.122 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| Number: 106.262 | Version No./Date: 09/04/2000 |
| Number: 106.262 | Version No./Date: 11/01/2003 |
| Number: 106.263 | Version No./Date: 11/01/2001 |
| Number: 106.355 | Version No./Date: 09/04/2000 |
| Number: 106.472 | Version No./Date: 09/04/2000 |
| Number: 106.475 | Version No./Date: 09/04/2000 |
| Number: 106.476 | Version No./Date: 09/04/2000 |
| Number: 106 | Version No./Date: 09/12/1989 |
| Number: 106 | Version No./Date: 05/04/1994 |
| Number: 106 | Version No./Date: 04/05/1995 |
| Number: 106 | Version No./Date: 06/07/1996 |

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|--|
| OL006D6B | COLUMN 25DA-6B | 48761 |
| OL007D5B | COLUMN 25D-5B | 48761 |
| OL007FG1 | BLDG. 25 EQUIPMENT LEAKS | 48761, 106.261/11/01/2003, 106.262/11/01/2003 |
| OL007H5 | B-25 REGENERATION HEATER 25H-5 | 48761 |
| OL007TAPI | BLDG. 25 OIL-WATER SEPARATOR | 48761 |
| OL031TAPI | HCC-3 OIL-WATER SEPARATOR | 48590 |
| OL032B5A | HCC-3 WASTE HEAT BOILER | 48590 |
| OL032B5B | HCC-3 WASTE HEAT BOILER | 48590 |
| OL032D3 | COLUMN 3D-3 | 48590 |
| OL032D401 | COLUMN 3D-4 | 48590 |
| OL032D4 | COLUMN 3D-4 | 48590 |
| OL032D5A | COLUMN 3D-5A | 48590 |
| OL032D5 | COLUMN 3D-5 | 48590 |
| OL032D6A | COLUMN 3D-6A | 48590 |
| OL032D6 | COLUMN 3D-6 | 48590 |
| OL032D7 | COLUMN 3D-7 | 48590 |
| OL032D9 | COLUMN 3D-9 | 48590 |

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|--|
| OL032DCA | HCC-3 DECOKING TANK A | 48590 |
| OL032DCB | HCC-3 DECOKING TANK B | 48590 |
| OL032FG1 | HCC-3 EQUIPMENT LEAKS | 48590, 106.261/11/01/2003, 106.262/11/01/2003 |
| OL032FRXS | HCC-3 FURNACES REACTOR SYSTEM | 48590 |
| OL032H1A | FURNACE 3H-1A | 48590 |
| OL032H1B | FURNACE 3H-1B | 48590, 106.261/09/04/2000, 106.261/11/01/2003 |
| OL032H1C | FURNACE 3H-1C | 48590, 106.261/09/04/2000, 106.261/11/01/2003 |
| OL032H1D | FURNACE 3H-1D | 48590, 106.261/09/04/2000, 106.261/11/01/2003 |
| OL032H1E | FURNACE 3H-1E | 48590, 106.261/09/04/2000, 106.261/11/01/2003 |
| OL032H2 | FURNACE 3H-2 | 48590, 106.261/09/04/2000, 106.261/11/01/2003 |
| OL032H4 | HCC-3 REGENERATION HEATER | 48590 |
| OL032OW | HCC-3 ORGANIC WASTE | 48590 |
| OL032RXSYS | HCC-3 ACETYLENE REACTOR SYSTEM | 48590, 106.261/09/04/2000, 106.262/09/04/2000 |

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|--|
| OLo32WW1 | HCC-3 WASTEWATER | 48590 |
| OLo33B5A | HCC-3A WASTE HEAT BOILER | 48588 |
| OLo33B5B | HCC-3A WASTE HEAT BOILER | 48588 |
| OLo33D3 | COLUMN 3AD-3 | 48588 |
| OLo33D4 | COLUMN 3AD-4 | 48588 |
| OLo33D5 | COLUMN 3AD-5 | 48588 |
| OLo33D6A | COLUMN 3AD-6A | 48588 |
| OLo33D6 | COLUMN 3AD-6 | 48588 |
| OLo33D7 | COLUMN 3AD-7 | 48588 |
| OLo33DCA | HCC-3A DECOKING TANK A | 48588 |
| OLo33DCB | HCC-3A DECOKING TANK B | 48588 |
| OLo33DCF | HCC-3A DECOKING TANK F | 106.263/11/01/2001 |
| OLo33FG1 | HCC-3A EQUIPMENT LEAKS | 48588, 106.261/11/01/2003, 106.262/11/01/2003 |
| OLo33FRXS | HCC-3A FURNACES REACTOR SYSTEM | 48588 |
| OLo33H1A | FURNACE 3AH-1A | 48588, 106.261/11/01/2003 |
| OLo33H1B | FURNACE 3AH-1B | 48588, 106.261/11/01/2003 |
| OLo33H1C | FURNACE 3AH-1C | 48588, 106.261/11/01/2003 |

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|---------------------------------|--|
| OLo33H1D | FURNACE 3AH-1D | 48588, 106.261/11/01/2003 |
| OLo33H1E | FURNACE 3AH-1E | 48588, 106.261/11/01/2003 |
| OLo33H1F | FURNACE 3AH-1F | 7752, 106/04/05/1995 |
| OLo33H2 | FURNACE 3AH-2 | 48588, 106.261/11/01/2003 |
| OLo33H4 | HCC-3A REGENERATION HEATER 3H-4 | 48588 |
| OLo33OW | HCC-3A ORGANIC WASTE | 48588 |
| OLo33RXSYS | HCC-3A ACETYLENE REACTOR SYSTEM | 48588 |
| OLo33WW1 | HCC-3A WASTEWATER | 48588 |
| OLo41D550 | OPWU STEAM STRIPPER | 20489 |
| OLo41FG2 | OPWU EQUIPMENT LEAKS | 20489 |
| OLo41FG4 | PSA UNIT EQUIPMENT LEAKS | 106.261/11/01/2003, 106.262/11/01/2003 |
| OLo41FL1 | OPWU FLARE | 20489, 84724 |
| OLo41OW | OPWU ORGANIC WASTE | 20489 |
| OLo41T545 | TANK | 20489 |
| OLo41WW1 | OPWU WASTEWATER | 20489 |
| OLo42FL1 | HCC-3B FLARE | 84724, 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994, 106/09/12/1989 |

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|---|
| OLo42FL2 | HCC-3B FLARE | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994, 106/09/12/1989 |
| OLo43D4 | COLUMN 3BD-4 | 908 |
| OLo43D5 | COLUMN 3BD-5 | 908 |
| OLo43D6A | COLUMN 3BD-6A | 908 |
| OLo43D6 | COLUMN 3BD-6 | 908 |
| OLo43D7 | COLUMN 3BD-7 | 908 |
| OLo43FG1 | HCC-3B EQUIPMENT LEAKS | 908, 106.261/11/01/2003, 106.262/11/01/2003 |
| OLo43OW | HCC-3B ORGANIC WASTE | 908 |
| OLo43WW1 | HCC-3B WASTEWATER | 908 |
| OLo44B5A | HCC-3B WASTE HEAT BOILER | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994, 106/06/07/1996 |
| OLo44B5B | HCC-3B WASTE HEAT BOILER | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994, 106/06/07/1996 |
| OLo44D3 | COLUMN 3BD-3 | 908 |
| OLo44D401 | COLUMN 3BD-401 | 908 |

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|----------------------------------|--|
| OLo44DCA | HCC-3B DECOKING TANK B | 49793, 106.263/11/01/2001 |
| OLo44DCB | HCC-3B DECOKING TANK B | 49793, 106.263/11/01/2001 |
| OLo44FRXS | HCC-3B FURNACES REACTOR SYSTEM | 908 |
| OLo44H1A | FURNACE 3BH-1A | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994 |
| OLo44H1B | FURNACE 3BH-1B | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994 |
| OLo44H1C | FURNACE 3BH-1C | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994 |
| OLo44H1D | FURNACE 3BH-1D | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994 |
| OLo44H1E | FURNACE 3BH-1E | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994 |
| OLo44H2 | FURNACE 3BH-2 | 908, 106.261/09/04/2000, 106.261/11/01/2003, 106/05/04/1994 |
| OLo44H4 | HCC-3B REGENERATION HEATER 3BH-4 | 908 |
| OLo44RXSYS | HCC-3B ACETYLENE REACTOR SYSTEM | 908, 106.261/09/04/2000, 106.262/09/04/2000 |
| OLo51T189 | TANK 44T-189 | 48761 |
| OLo51T191 | TANK 44T-191 | 48761 |

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|--|
| OL108TAPI | HCC-3A OIL-WATER SEPARATOR | 48588 |
| OL116FL1H | SPARE BLDG. 25 FLARE | 124730, 48761 |
| OL116FL2H | BLDG. 25 FLARE | 48761, 84724 |
| OL170FL1 | HCC-3A FLARE | 48588, 84724 |
| OL170FL2 | HCC-3A FLARE | 48588, 84724 |
| OL233FL1 | HCC-3 FLARE | 48590, 84724 |
| OL233FL2 | HCC-3 FLARE | 48590, 84724 |
| PROFEEDS | FEEDSTOCK SEPARATION PROCESS | 48761, 84724 |
| PROHCC3A | HCC-3A PROCESS | 48588, 84724 |
| PROHCC3B | HCC-3B PROCESS | 84724, 908 |
| PROHCC3 | HCC-3 PROCESS | 48590, 84724 |
| PROPSA | HYDROGEN SEPARATION PROCESS | 84724, 106.261/11/01/2003, 106.262/11/01/2003 |
| PROWATER | WATER UNIT PROCESS | 20489, 84724 |
| SD217FL1 | BLDG. 42 FLARE | 84724, 106.355/09/04/2000 |

Appendix A

| | |
|---------------------------|------------|
| Acronym List | 101 |
|---------------------------|------------|

Acronym List

The following abbreviations or acronyms may be used in this permit:

| | |
|------------------------|---|
| ACFM | actual cubic feet per minute |
| AMOC | alternate means of control |
| ARP | Acid Rain Program |
| ASTM | American Society of Testing and Materials |
| B/PA | Beaumont/Port Arthur (nonattainment area) |
| CAM | Compliance Assurance Monitoring |
| CD | control device |
| COMS | continuous opacity monitoring system |
| CVS | closed-vent system |
| D/FW | Dallas/Fort Worth (nonattainment area) |
| DR | Designated Representative |
| ELP | El Paso (nonattainment area) |
| EP | emission point |
| EPA | U.S. Environmental Protection Agency |
| EU | emission unit |
| FCAA Amendments | Federal Clean Air Act Amendments |
| FOP | federal operating permit |
| GF | grandfathered |
| gr/100 scf | grains per 100 standard cubic feet |
| HAP | hazardous air pollutant |
| H/G/B | Houston/Galveston/Brazoria (nonattainment area) |
| H ₂ S | hydrogen sulfide |
| ID No. | identification number |
| lb/hr | pound(s) per hour |
| MMBtu/hr | Million British thermal units per hour |
| MRRT | monitoring, recordkeeping, reporting, and testing |
| NA | nonattainment |
| N/A | not applicable |
| NADB | National Allowance Data Base |
| NO _x | nitrogen oxides |
| NSPS | New Source Performance Standard (40 CFR Part 60) |
| NSR | New Source Review |
| ORIS | Office of Regulatory Information Systems |
| Pb | lead |
| PBR | Permit By Rule |
| PM | particulate matter |
| ppmv | parts per million by volume |
| PSD | prevention of significant deterioration |
| RO | Responsible Official |
| SO ₂ | sulfur dioxide |
| TCEQ | Texas Commission on Environmental Quality |
| TSP | total suspended particulate |
| TVP | true vapor pressure |
| U.S.C. | United States Code |
| VOC | volatile organic compound |